

From glowbugs@theporch.com Wed Nov 29 18:16:11 1995
Return-Path: glowbugs@theporch.com
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com
(8.7.1/AUX-3.1.1) with SMTP id SAA09360; Wed, 29 Nov 1995 18:12:35 -0600 (CST)
Date: Wed, 29 Nov 1995 18:12:35 -0600 (CST)
Message-Id: <199511300012.SAA09360@uro.theporch.com>
Errors-To: ws4s@midtenn.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 33
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: 0

GLOWBUGS Digest 33

Topics covered in this issue include:

- 1) Hi-Z phones
by Bruce Robertson <brucerob@epas.utoronto.ca>
- 2) Another Watercooled Toob
by kellymed@tmxbris.mhs.oz.au (Murray Kelly)
- 3) Off-topic qtn: About installing Easytrax in IBM platform: Hv U done this b4?
by sam@juno.com (Sam Mohan)
- 4) EASYTRAX
by BOB.LIESENFELD@hamlink.mn.org (BOB LIESENFELD)
- 5) Glowbuggin' anyone?
by rdkeys@csemail.cropsci.ncsu.edu
- 6) European Tube Types
by dmedley@mail.hvs.com
- 7) Red Hot RX soon to be born (again?)
by Stan Skelton <:sskelton@cln.etc.bc.ca>
- 8) AF chokes
by steve@hi.com (Steve Byan)
- 9) Re: Glowbuggin' anyone?
by "Deane D McIntyre" <dmcintyr@acs.ucalgary.ca>
- 10) Re: Glowbuggin' anyone?
by rdkeys@csemail.cropsci.ncsu.edu
- 11) New FTP software running
by Conard Murray <cfm@tntech.edu>
- 12) help homebrewing transmitter (fwd)
by Jeffrey Herman <jherman@hawaii.edu>
- 13) Re: help homebrewing transmitter (fwd)
by Jeffrey Herman <jherman@hawaii.edu>

Date: Tue, 28 Nov 1995 20:20:46 -0500 (EST)
From: Bruce Robertson <brucerob@epas.utoronto.ca>
To: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Hi-Z phones
Message-ID: <Pine.SGI.3.91.951128201756.8600A-100000@blues.epas.utoronto.ca>

This topic reminds me of something I've been wondering for a while:

Is there a simple way to test if phones are high-z while you are in the store (at the hamfest). I've seen phones that look like they ought to be, but I've not bought them because I don't need another set of 8 ohm phones if that's what they are.

I'm thinking of a trick with ohmmeter or battery or something. Maybe check to see that they don't work on a walkman???

73, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

Date: Mon, 27 Nov 95 23:36:55 AES
From: kellymed@tmxbris.mhs.oz.au (Murray Kelly)
To: glowbugs@theporch.com
Subject: Another Watercooled Toob
Message-ID: <649@tmxbris.mhs.oz.au>

ys.c>v 1995 06:02:46 -0600 (CST)
>Date: Mon, 27 Nov 1995 06:02:46 -0600 (CST)
>Message-Id: <9511271201.AA28971@alpha.luc.ac.be>
>Errors-To: ws4s@midtenn.net
>Reply-To: dcadd@luc.ac.be
>Originator: glowbugs@theporch.com
>Sender: glowbugs@theporch.com
>Precedence: bulk
>From: Duncan Cadd <dcadd@luc.ac.be>
>To: Multiple recipients of list <glowbugs@theporch.com>
>Subject: Re: Another Water-Cooled 6L6 Story
>X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
>X-Comment: Please send list server requests to listproc@theporch.com
>Content-Type: text
>X-Mailer: ELM [version 2.4 PL23]
>Status: U

>
>Greetings, Folks, from a dull but dry Diepenbeek in N.E. Belgium!
>
>
>Tony writes:
>
>> Isn't it funny that I've heard several stories over the years about 6L6's
>> having been inverted in water, but no other types. Why do you suppose
>> that is?
>>
>> 73,
>> Tony
>> K4KY0
>
>Er, uhhhmm, because they don't have a top cap, right ? 8-) Must try it with
>833As sometime using a positive ground psu ;-}
>73,
>
>Duncan ON9CHU / G0UTY G-QRP 8117
>

I once wanted to put some power tubes in a can of transformer oil but
let myself be talked out of it! (Who knows - it might have been BCP?)

Murray Kelly. vk4aok.

Date: Tue, 28 Nov 1995 22:10:26 PST
From: sam@juno.com (Sam Mohan)
To: glowbugs@theporch.com
Subject: Off-topic qtn: About installing Easytrax in IBM platform: Hv U done this
b4?
Message-ID: <19951128.221054.9227.0@m1.juno.com>

I have downloaded easytrax.zip from oak.oakland.edu but unable to install
it in my IBM-compatible PC. The doc's procedure which comes in the .zip
file does not work. Did anybody else encounter the same problem? Does
anybody know the 'secret' method of installing Easytrax?

This s/w was recommended here 2-3 weeks ago as a standard medium
for exchanging schematics among the glowbug folks and I am trying
get my set-up up and running.

73 Sam N3UTM
SMohan@Telenet.com

Sam@Juno.com

Date: Tue, 28 Nov 1995 22:45:27 -0100
From: BOB.LIESENFELD@hamlink.mn.org (BOB LIESENFELD)
To: glowbugs@theporch.com
Subject: EASYTRAX
Message-ID: <817603234.AA04418@hamlink.mn.org>

Hi gang,

I have EASYTRAX on my PC and would like to exchange schematic files.
(Tube ckts of course!)

72 Bob WB0POQ

Technology is OUT of control.....

---NoSnail v1.17

HAM>link< RBBS - Serving the Amateur Radio Community Since 1983

- 612/HAM-0000 v.34 Ham Radio Spoken Here!!
- 612/HAM-1010 v.32b Reply to sender @ hamlink.mn.org

Date: Wed, 29 Nov 1995 11:24:28 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: glowbugs@theporch.com
Cc: rdkeys@csemail.cropsci.ncsu.edu ()
Subject: Glowbuggin' anyone?
Message-ID: <9511291624.AA108773@csemail.cropsci.ncsu.edu>

Have not 'eard much o' de ol' glowbuggers, lately. Weuns needs ta git
our firebottles restoked, somewhat akin ta grandad's ol' firepot back
in da woods dat made yer tummy glow, fer sure.....

or.....

I will, with forthright steadfastness, and full glow therein contained,
within the above mentioned firebottles, put forth upon the ether, a
T9 (or maybe slightly T8) signal at the appointed hours of 0400-0500Z
nightly, in the course of the next several days, even unto the end
of the weekend, on the fully workable and entirely serviceable QRG of

1805khz - QRM (or as shy of the edge of the band as one dares to go),
and with great expectations, hope to QSO those of the group who can,
with vigour, put forth likewise signals upon the ether at the aforementioned
times.

SEE U DE NA4G/Bob

p.s. Whew! I am glad I don't have to write those Teutonic-style,
paragraph-sized sentences, but occasionally.....(:+}}.

Date: Wed, 29 Nov 1995 09:51:16 -0500
From: dmedley@mail.hvs.com
To: glowbugs@theporch.com
Subject: European Tube Types
Message-ID: <TCPSMTP.15.11.29.9.51.16.2561663386.1487241@mail.hvs.com>

I have an Eddystone receiver which uses a few tubes I have been unable
to identify. The type numbers are 6BR7 6AM5 6AM6
These look like regular US numbers but I can't find them in any of my
manuals. The tubes that are in the radio are manufactured by Mullard
and Phillips. I would like to be able to find some US equivalents as
the tubes in the radio appear pretty tired.
Thanks gang
Dave KI6QE

Date: Wed, 29 Nov 1995 08:53:40 -0800 (PST)
From: Stan Skelton <sskelton@cIn.etc.bc.ca>
To: glowbugs list <glowbugs@theporch.com>
Subject: Red Hot RX soon to be born (again?)
Message-ID: <Pine.3.89.9511290826.C3993-01000000@sparky>

Hi All...well I finally appear to have all the necessary parts to build
the "Red Hot Radio Returns" rx rig (Sept 95 CQ)...believe it or not the
hardest thing to find was the air variable cap....I even have a source
for the 2K ohm headphones....best of all everything was FREE!...I am
trying to build it for \$0.00 and it looks like I'll be successful...
Now to get that aluminum highways sign that the snowplow cut in half
last winter bent in the local jr high metal shop and I'm in business!
Will let you know how things go....

btw: had the occasion to log on during the weekend with an old 2400 buad

modem on long distance and decided to put a hex on all of you that insist on pressing "Y" to "include previous message ?"...from now on I'm only going to read the first screen that passes by then press "D"!

Date: Wed, 29 Nov 1995 12:01:33 -0400
From: steve@hi.com (Steve Byan)
To: glowbugs@theporch.com
Subject: AF chokes
Message-ID: <v02130503ace226750d0b@[140.243.30.128]>

Last night I made some measurements on the PT-156 audio interstage transformer from Antique Electronics Supply. I connected the primary and secondary windings in series-aiding and measured the inductance at audio frequencies. Since I don't have an inductance bridge that goes up to 100 Henries, I rigged up an R-L highpass filter and measured the 3 dB corner frequency. Using a 56 Kohm resistor, the 3 dB corner frequency was 110 Hz. I'm rusty on the slip-stick, but if I did the calculations right, that's 80.5 Henries.

So now I have a source for high-inductance AF chokes.

Steve Byan	internet: steve@hi.com
Hitachi Computer Products (America), Inc.	
1601 Trapelo Road	phone: (617) 890-0444
Waltham, MA 02154	FAX: (617) 890-4998

Date: Wed, 29 Nov 1995 11:56:44 -0700
From: "Deane D McIntyre" <dmcintyr@acs.ucalgary.ca>
To: glowbugs@theporch.com
Subject: Re: Glowbuggin' anyone?
Message-ID: <9511291856.AA47544@ds1.acs.ucalgary.ca>

In message <9511291624.AA108773@csemail.cropsci.ncsu.edu> writes:
> Have not 'eard much o' de ol' glowbuggers, lately. Weuns needs ta git
> our firebottles restoked, somewhat akin ta grandad's ol' firepot back
> in da woods dat made yer tummy glow, fer sure.....

I recently acquired a fine old firebottle from the 20's, a RCA UV-203A.

This bottle, introduced about 1926 by RCA, was the successor to the 1921 UV-203, the "50 watter" (likely run at 100 watts by most hams I suspect, RCA was very conservative in rating xmitting bottles in those days). Was this not the tube used by the QCWA(?) to recreate the 1921 Trans-Atlantic tests (NA to Scotland)?

Anyhow the filament is intact, and I am tempted to fire it up.
Typically, in what circuits would this bottle have been used?
As a PA for a Hartley using a UX-210?

73, Deane D McIntyre VE6BPO
dmcintyr@acs.ucalgary.ca

Date: Wed, 29 Nov 1995 15:16:43 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: dmcintyr@acs.ucalgary.ca
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com
Subject: Re: Glowbuggin' anyone?
Message-ID: <9511292016.AA100223@csemail.cropsci.ncsu.edu>

>
> In message <9511291624.AA108773@csemail.cropsci.ncsu.edu> writes:
> > Have not 'eard much o' de ol' glowbuggers, lately. Weuns needs ta git
> > our firebottles restoked, somewhat akin ta grandad's ol' firepot back
> > in da woods dat made yer tummy glow, fer sure.....
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> RCA was very conservative in rating xmitting bottles in those days). Was
> this not the tube used by the QCWA(?) to recreate the 1921 Trans-Atlantic
> tests (NA to Scotland)?

It was one of the standard 50watters for rigs of that era. I had about a dozen test and pre-production samples that I gave to a local museum collection. They were early nippleheaded jobs with tin plates and brass bases, and hand-written numbers. Yours sounds like standard production run stuff. If it is roundtopped, then it is common production stuff, and go ahead and fire it up.

> Anyhow the filament is intact, and I am tempted to fire it up.
> Typically, in what circuits would this bottle have been used?
> As a PA for a Hartley using a UX-210?

All forms of Hartley, Colpitts, Armstrong, TPTG, and TNT rigs of the

20's. Also it was used as oscillator/amplifier in 100 watt mopa rigs.

The 211 is a little bit better, but basically they are the same tube. For Hartley use, 203/211/845 and all the common 50 watters will work just fine. I can't remember one of them that I have not tried that did not work, unless the filament was dead as the ol' doornail.....

> 73, Deane D McIntyre VE6BP0
> dmcintyr@acs.ucalgary.ca

It would make a fine breadboard Hartley for 160 meters, maybe....(:+}}...

Wind the coil out of No. 4 or larger wire or 1/4 or 3/8 inch copper tubing.

Run it at maybe 500-700 volts and no more, and try to keep the filament down to 9.5-10.0 volts, unless it needs flashing.

Sounds like a winner to me for the Hartley Rallye.....(:+}}

73/ZUT DE NA4G/Bob

Date: Wed, 29 Nov 1995 16:34:31 -0500
From: Conard Murray <cfm@tntech.edu>
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: New FTP software running
Message-ID: <01HY8098QCTE8ZI4EE@tntech.edu>

-- [From: Conard Murray * EMC.Ver #2.5.02] --

Hey everyone...

I am running what appears to be a real FTP server. Y'all drop on by here at 149.149.11.72 (triode.cc.tntech.edu) and check out the great articles by Bob , NA4G. He has uploaded a couple of construction articles in support of the upcoming Hartley Rallye. They are in PostScript format. The files with .ps extensions are in postscript format and the others are in gzip format. There are also a few scans that I have made of other stuff...a couple of tuning charts and a schematic for a viking ll etc.

Tell me what you think about the software. It is only \$15 to register, so if y'all like it I will register a copy.

See you'uns later... it's quitting time.... qsy to 1805 kc/s.

73 de conard ws4s

Date: Wed, 29 Nov 1995 12:46:25 -1000
From: Jeffrey Herman <jherman@hawaii.edu>
To: Glowbugs List <glowbugs@theporch.com>
Subject: help homebrewing transmitter (fwd)
Message-ID: <Pine.SV4.3.91.951129124451.10101A-100000@uhunix5>

----- Forwarded message -----
Date: Wed, 29 Nov 1995 11:19:13 -1000
From: Jake Hellbach <kk5hy@accesscom.net>
To: Multiple recipients of list <boatanchors@theporch.com>
Subject: help homebrewing transmitter

Hello to all,
I'm trying to build the single tube transmitter that is on the cover of the 1995 CQ radio classics calendar. In the article it says the radio was in a 1935 QST and I was wondering if anyone has this issue or some other construction article on this tx.

Thanks, Jake KK5HY
Email via: kk5hy@accesscom.net

<Jake posted the above on BA so email any replies to him>

Date: Wed, 29 Nov 1995 12:47:17 -1000
From: Jeffrey Herman <jherman@hawaii.edu>
To: Glowbugs List <glowbugs@theporch.com>
Subject: Re: help homebrewing transmitter (fwd)
Message-ID: <Pine.SV4.3.91.951129124705.10101B-100000@uhunix5>

----- Forwarded message -----
Date: Wed, 29 Nov 1995 12:18:52 -1000
From: Michael.J.Knudsen@att.com
To: Multiple recipients of list <boatanchors@theporch.com>
Subject: Re: help homebrewing transmitter

In the same vien, that premier issue of Ham Radio Horizons mag (spring of '77) has an article on ham radio history, including a nice big photo of a UX210 breadboard TX that must at least equal the world record for minimum parts count. The view angle is such that you can just about dope out the circuit by looking, and parts values have already been discussed here enough

to keep your experimenting down to a fun level. I think it's a Hartley,
not a rockhound. I could send blowups of the photo to anyone who asks.

Maybe I should mention this on glowbugs, but I'm not subscribed there.

Same article has some schematics of early 4-tube AM TXs, with the warning
that "that 6L6 oscillator would fry modern xtals, but the old
ones were the size of postage stamps." Seems we've heard that before too :-)
73, mike k w9nrd

End of GLOWBUGS Digest 33
